

MARAWOOD STRUCTURES 10,000 GALLON HOLDING TANK

THE CONCRETE USED IN THE CONSTRUCTION OF THE SITE-CONSTRUCTED HOLDING TANK SHALL BE A MIX TO WITHSTAND A MIN. COMPRESSIVE LOA OF 3,000 POUNDS PER SQUARE INCH. TANK TO BE DESIGNED TO WITHSTAND THE PRESSURE TO WHICH THEY ARE SUBJECTED & REMAIN WATERTIGHT.

THE WATER/CEMENT RARIO WILL BE LESS THAN 0.45 FOR THE CONCRETE MIX TO RESIST DETERIORATION OF INTERNAL ENVIRONMENTAL EFFECTS.

COVER SHALL HAVE A MIN. OF 1/2"-GRADE 40 REROD 16" O.C. & BE A MIN OF 8" THICK. COVER THICKNESS MAY BE INCREASED (10", 12") FOR INCREASED DEPTH OF BURY, AND/OR REROD O.C. SPACING INCREASED (12" O.C.), AND/OR LARGER DIAMETER REROD APPLIED (5/8", 3/4")

TANK SHALL HAVE A MIN. 7 DAY CURING TIME BEFORE BEING BACKFILLED. CURING TIME SHALL BE EXTENDED DUE TO OUTSIDE CONDITIONS (TEMPERATURE, WEATHER, SITE CONDITIONS) ALLOWING FOR TANK TO MEET THE MINIMUM P.S.I. AND PRESSURES TO WHICH THEY WILL BE SUBJECTED.

WHEN ANCHORING IS NEEDED, EITHER; A) ADDITIONAL WEIGHT ADDED TO THE COVER (ADDITIONAL CONCRETE), OR, B) EXTRA MATERIAL (FILL) ADDED OVER THE TANK. QUANTITY OF MATERIAL OVER TANK NOT TO EXCEED THE ALLOWABLE LIMIT THAT THE COVER IS DESIGNED FOR. IF QUANTITY OF MATERAIL EXCEEDS THE CAPACITY OF THE COVER, IT SHALL BE ADJUSTED ACCORDINGLY TO WITHSTAND THE INCREASED WEIGHT.

RISER AND COVER TO BE PRE-CAST, MANUFACTURED BY WILBERT VAULT WORKS INC. COVER AND RISER TO INCLUDE ALL NECESSARY WARNING LABELS, VENTING AND ACCESS.

TANK TO HOLD WATER FOR ONE HOUR, WITHOUT LEAK-AGE AFTER THE TANK HAS BEEN FILLED WITH WATER TO THE TOP OF THE COVER AND LET STAND FOR 24 HOURS, THEN REFILLED TO THE TOP OF THE COVER.

QUALITY CONTROL AND SAFETY MEASURES SHALL BE IN PLACE & STRICTLY ADHERED TO DURING THE CONSTRUCTION OF THE TANK

TANK CALCULATION (Single)

8' Width x 22' Length x 7'-6"
max water height = 9,873 gallons

Conditionally
APPROVED
DEPARTMENT OF COMMERCE
DIVISION OF SAFETY AND BUILDINGS
Michael J. Baskin
SEE CORRESPONDENCE

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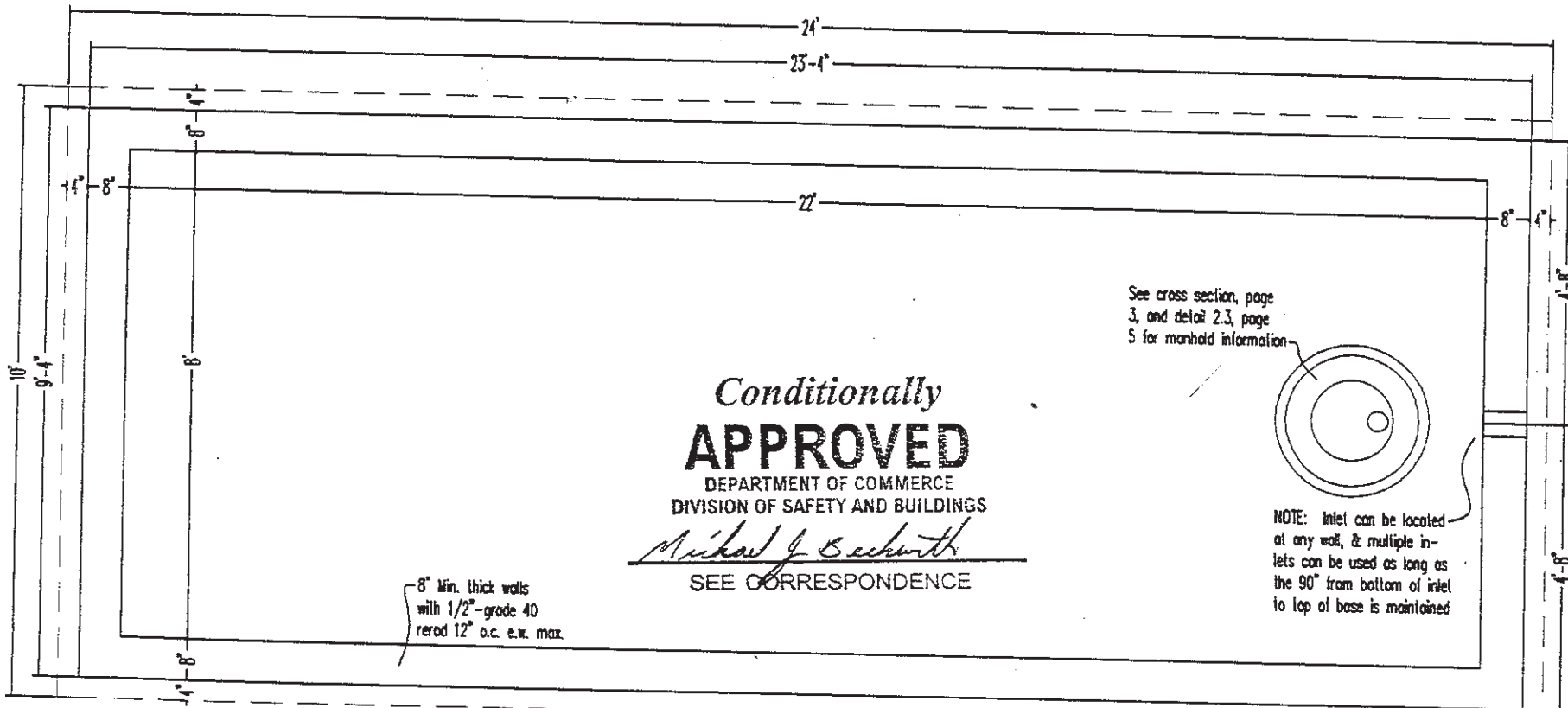
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PHONE (715) 387-1256
PHONE 800-236-7899
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MARAWOOD STRUCTURES INC.
2025 WEST VETERANS PARKWAY
MARSHFIELD, WI 54449

DRAWN BY:
J. S. B.
DATE:
2/19/03
DESIGN NO.:
03013
CADFILE:
1000w/holdingtank
11/01/01/0000
SHEET
1 OF 5



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DEPARTMENT OF COMMERCE
DIVISION OF SAFETY AND BUILDINGS

Michael J. Beckwith
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PLAN VIEW
SCALE: 1/2" = 1'

8" Min. thick floor
with 1/2"-grade 40
rebar 2' o.c. e.w.

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2025 WEST VETERANS PARKWAY
MARSHFIELD, WI 54449

DRAWN BY:
J. S. B.

DATE:
2/18/03
DESIGN NO.:
03013
CAD FILE:
bldg-manhole.dwg
H:\dwg\10000

SHEET

2 OF 5

NOTE: SEE DETAIL 2.2,
PAGE 4, FOR COMPLETE
MANHOLE INFORMATION

8" Min. thick cover
with 1/2"-grade 40
rerod 12" o.c. e.w.

-8" Min. thick walls
with 1/2"-grade 40
rerod 12" o.c. e.w. max.

8' Inside to inside — 8'-8" — 9'-4"

— 24' —
— 23'-4" —
- 22' Inside to inside

7'-6" (90")
MAX LIQUID DEPTH

- 8" Min. thick floor
with 1/2"-grade 40
rerod 2' o.c. e.w.

Rerod tied
into corners

CROSS SECTION A
SCALE: $3/8" = 1'$

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WOOD
STRUCTURES

STEEL CONCRETE

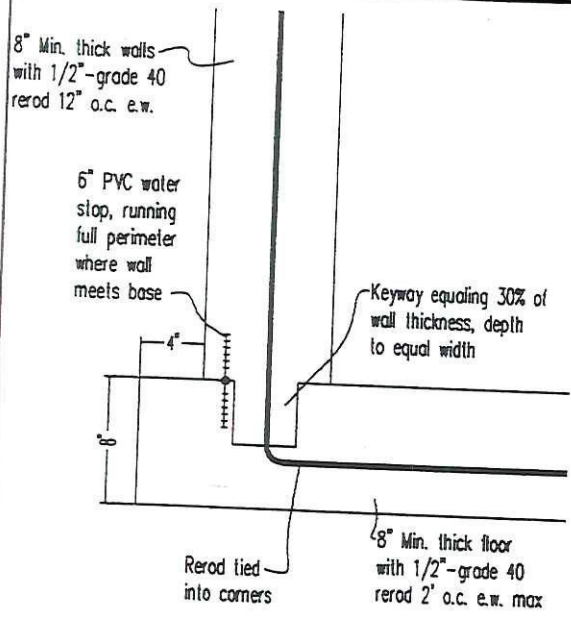
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MARSHFIELD, WI 54449

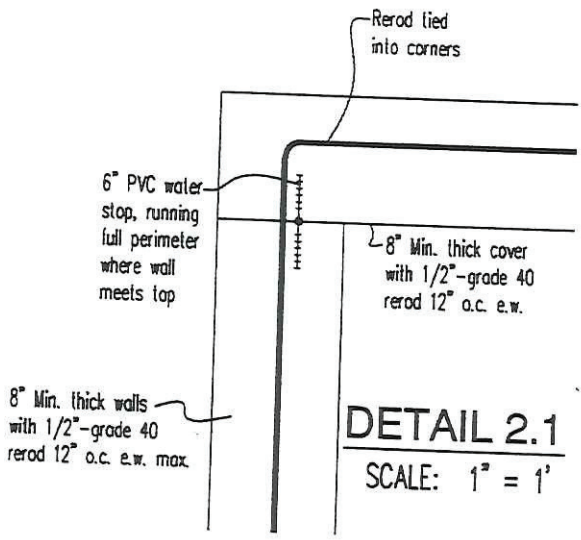
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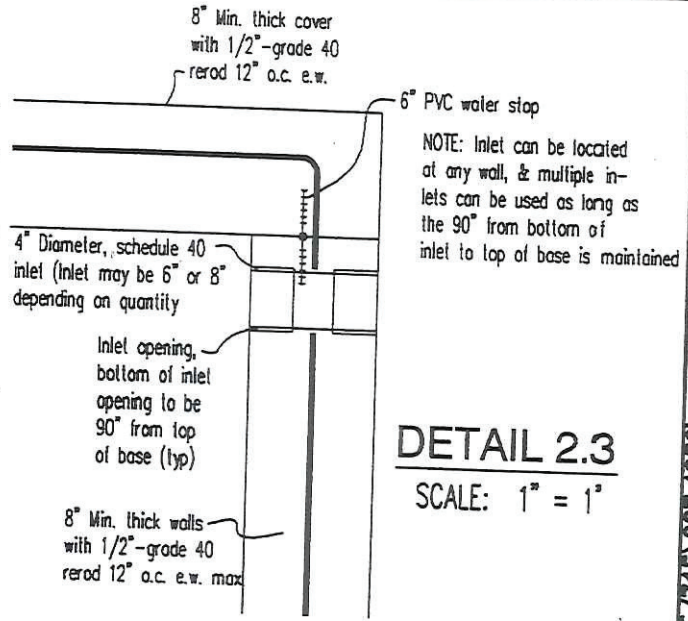
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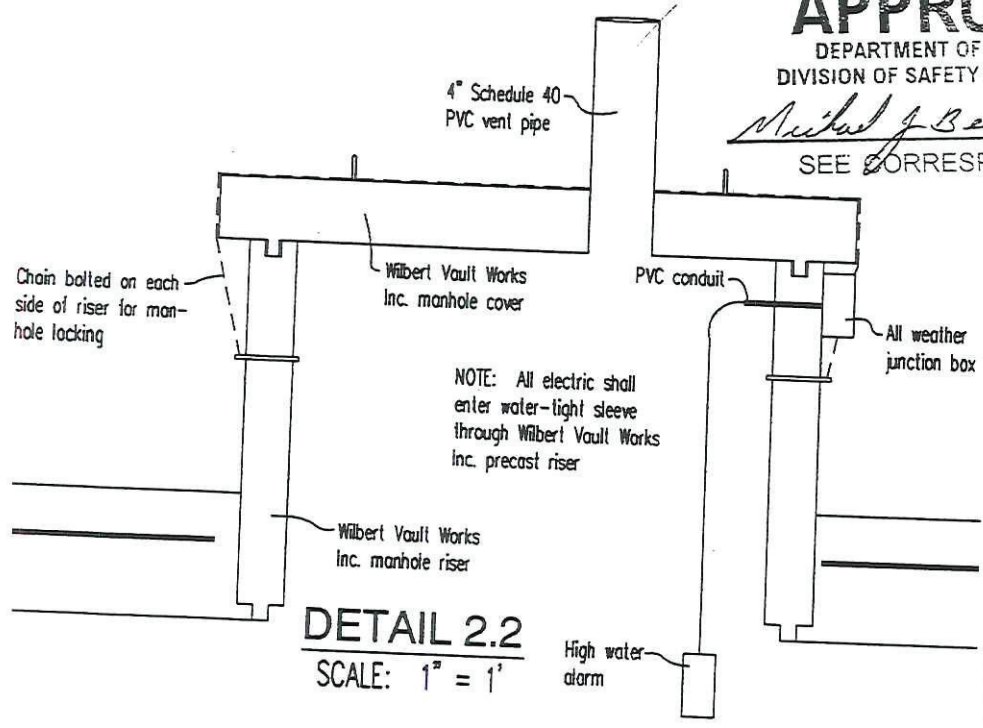
DETAIL 2.0
SCALE: 1" = 1'



DETAIL 2.1
SCALE: 1" = 1'



DETAIL 2.3
SCALE: 1" = 1'



DETAIL 2.2
SCALE: 1" = 1'

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**MARAWOOD
10000**

12"x12" Min. tank
label embossed in
concrete, near inlet

TANK LABEL

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